

Title (en)

FILTER MEDIA INCLUDING A WAVED FILTRATION LAYER HAVING A GRADIENT

Title (de)

FILTERMEDIEN MIT EINER GEWELLTEN FILTRATIONSSCHICHT MIT EINEM GRADIENTEN

Title (fr)

MILIEUX FILTRANTS COMPRENANT UNE COUCHE DE FILTRATION ONDULÉE AYANT UN GRADIENT

Publication

EP 3600603 A1 20200205 (EN)

Application

EP 18770739 A 20180321

Priority

- US 201715466809 A 20170322
- US 2018023518 W 20180321

Abstract (en)

[origin: US2018272258A1] Filter media comprising a waved filtration layer having a gradient in a property and associated methods are provided. The waved filtration layer may include fibers that form one or more fiber webs. In some embodiments, the diameter of the fibers may vary across at least a portion of the thickness of the waved filtration layer to produce a gradient in fiber diameter. The gradient may be designed to impart beneficial properties to the filter media, such as low pressure drop and long lifetime. In some embodiments, the gradient may be characterized by mathematical equations that describe the change in fiber diameter across at least a portion of the thickness of the waved filtration layer. The filter media, described herein, may be particularly well-suited for applications that involve filtering liquids, though the media may also be used in other applications.

IPC 8 full level

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